

LOCKHEED AIRCRAFT CORP.		ENGINEERING STUDY <input type="checkbox"/>		LAC -168	
DATE 28 OCTOBER 1963		AFFECTS: WSP <input type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>	
NAME OF MAJOR COMPONENT		PART OR LOWEST SUBASSEMBLY		PART NO. & MODEL OR TYPE	
TITLE OF PROPOSAL : INSTALL SUIT VENT BLOWER					
NATURE OF PROPOSAL :  SEE PAGE 2					
REASON FOR PROPOSAL :  PILOT IS UNCOMFORTABLY HOT DURING THE COCKPIT TIME PRIOR TO TAKEOFF-PARTICULARLY IN HOT HUMID CLIMATE. THIS CAN BE ALLEVIATED BY A SUIT VENT BLOWER, USED IN CONJUNCTION WITH REFRIGERATED AIR PUMPED INTO THE COCKPIT.					
ES		ESTIMATED COST AND TIME INVOLVED : ADDITIONAL FUNDING REQUIRED :			
CP		ESTIMATED COST FOR KITS OR PARTS : ADDITIONAL FUNDING REQUIRED : NONE (EP-1922)			
ITEMS AFFECTED BY PROPOSAL :					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input checked="" type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input checked="" type="checkbox"/>
					TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>
					MAINTENANCE PROCEDURE <input type="checkbox"/>
					SERVICE LIFE <input type="checkbox"/>
					FLIGHT MANUAL <input checked="" type="checkbox"/>
					MAINTENANCE MANUAL <input checked="" type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD					
SOURCE OF PARTS FOR KIT GFE & CONTRACTOR			AVAILABILITY 6 WEEKS AFTER APPROVAL FOR LAC PORTION OF KIT		
DISPOSITION OF SPARES AFFECTED			Conc. 00/OSA 12 NOV 63		
INITIATED BY : CUSTOMER			APPROVED : WSP- PROJECT		

**NATURE OF PROPOSAL:**

Install a suit blower in the cockpit on the System 1 recorder cover. This space is also assigned to the B400 Rate Meter (S/B 724) requiring removal of the blower on missions requiring the rate meter. The blower and B400 rate meter will use a common mounting rack furnished with S/B 724 and attached permanently to the recorder cover, which allows quick removal of either unit by two snap-slide fasteners. The suit blower, Fed. Stock No. 4140-540-0517, will be GFE.

A 10 to 12 inch long hose on the right-hand side of the pressure suit will be required. The hose must be terminated with a USAF P/N 55B3536 disconnect coupling. It is the contractors understanding that the suit modification will be negotiated directly between the customer and suit manufacturer and therefore this modification, including the 55B3536 coupling, is not a portion of this ECP.

An 18 inch hose will be installed on the blower with a fitting to engage the 55B3536 disconnect on the suit. The pull away force to separate the fittings will not exceed 10 pounds.

Install suit blower ON-OFF switch on the pilots L.H. auxiliary switch panel adjacent to the slipper pump switch.

Install a 10A circuit breaker in the Q-Bay circuit breaker panel. Install necessary interconnecting wiring.

Prepare and issue Service Bulletin and fabricate kits for field installation. Spares required to be ordered on Depot Purchase Order request.